



The object of the present invention is to provide a cutting tool consisting of fine grain cBN free from a binder and having a grain size of at most 1  $\mu$  m and having a high hardness, high strength and excellent heat resistance. The feature thereof consists in a cutting tool compring, as an edge part, a cubic boron nitride sintered compact containing cubic boron nitride having an average grain diameter of at most 1  $\mu$  m, in which the cubic boron nitride sintered compact has, at the said edge part, an  $I_{(220)}$  / $I_{(111)}$  of (220) diffraction intensity ( $I_{(220)}$ ) to (111) diffraction intensity ( $I_{(111)}$ ) ratio of at least 0.05 in X-ray diffraction of arbitrary direction and impurities are substantially not contained in the grain boundaries.

SD-9901